

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 2

Amendments to the Claims

Please cancel claims 4, 6 and 47-64 without disclaimer or prejudice to applicants' right to pursue the subject matter of these claims in a future continuation or divisional application. Please amend claims 1, 5, and 7-43, and add new claims 65-84 as set forth below.

1. (Currently amended) An ultraviolet block material comprising a fluorescent material in an amount of 5-30% by weight and an ultraviolet radiation absorber, wherein the ultraviolet block material is ~~characterized in that,~~ characterized by a transmittance for ~~the~~ light within a wavelength range of 300-380 nm of is 10% or less and a transmittance for ~~the~~ light within a wavelength range of 420-800 nm of is 90% or more.

2. (Original) The ultraviolet block material according to claim 1, wherein a transmittance for the light within a wavelength range of 300-390 nm is 10% or less.

3. (Original) The ultraviolet block material according to claim 1, wherein a transmittance for the light within a wavelength range of 300-400 nm is 10% or less.

4. (Canceled)

5. (Currently amended) The ultraviolet block material according to claim 1 ~~4~~, wherein the ultraviolet radiation absorber is contained in an amount of 5-30% by weight ~~to the base material~~.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 3

6. (Canceled)

7. (Currently amended) ~~The ultraviolet block material according to claim 1,~~  
~~wherein the~~ An ultraviolet block material comprising ~~has~~ a substrate and an ultraviolet  
block layer provided on the substrate in a releasable manner, wherein the ultraviolet  
block material is characterized by a transmittance for light within a wavelength range of  
300-380 nm of 10% or less and a transmittance for light within a wavelength range of  
420-800 nm of 90% or more.

8. (Currently amended) The ultraviolet block material according to claim 7,  
wherein the ultraviolet block layer comprises ~~has~~ a layer comprising ~~containing~~ a  
fluorescent material, wherein the layer comprising ~~having~~ the fluorescent material has on  
a first side at least one layer between it and the substrate and also has at least one layer  
~~on the side,~~ on a second side opposite to the substrate, ~~of the layer containing the~~  
~~fluorescent material~~ and wherein any of the layers comprises ~~has~~ an ultraviolet radiation  
absorber.

9. (Currently amended) The ultraviolet block material according to claim 8,  
wherein at least one of the layers ~~existing~~ between the substrate and the layer comprising  
~~containing~~ the fluorescent material comprises ~~contains~~ an ultraviolet radiation absorber.

10. (Currently amended) The ultraviolet block material according to claim  
8, wherein the layer comprising ~~containing~~ the fluorescent material comprises ~~contains~~ an  
ultraviolet radiation absorber.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 4

11. (Currently amended) The ultraviolet block material according to claim 8, wherein the layer comprising the fluorescent material and at least one layer between the substrate and the layer comprising containing the fluorescent material ~~and the layer containing the fluorescent material has~~ comprise an ultraviolet radiation absorber.

12. (Currently amended) The ultraviolet block material according to claim 7, wherein the ultraviolet block layer comprises has a layer comprising containing a fluorescent material, ~~and the layer containing the fluorescent material contains an~~ ultraviolet radiation absorber and a stabilizer.

13. (Currently amended) The ultraviolet block material according to claim 12, wherein the ultraviolet block layer comprises has at least one layer between the substrate and the layer comprising containing the fluorescent material.

14. (Currently amended) The ultraviolet block material according to claim 12, wherein the ultraviolet block layer comprises has at least one layer on the side, opposite to the substrate, of the layer comprising containing the fluorescent material.

15. (Currently amended) The ultraviolet block material according to claim 12, wherein the ultraviolet block layer comprises has at least one layer between the substrate and the layer comprising containing the fluorescent material and also comprises has at least one layer on the side, opposite to the substrate, of the layer comprising containing the fluorescent material.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 5

16. (Currently amended) The ultraviolet block material according to claim 13, wherein ~~the~~ at least one of the layers ~~existing~~ between the substrate and the layer comprising containing the fluorescent material comprises contains an ultraviolet radiation absorber.

17. (Currently amended) The ultraviolet block material according to claim 7, wherein the ultraviolet block layer comprises has a layer comprising containing a fluorescent material and at least one layer comprising containing an ultraviolet radiation absorber between the substrate and the layer comprising containing the fluorescent material, and wherein the layer comprising containing the fluorescent material comprises contains a stabilizer.

18. (Currently amended) The ultraviolet block material according to claim 17, wherein the ultraviolet block layer comprises has at least one layer on the side, opposite to the substrate, of the layer comprising containing the fluorescent material.

19. (Currently amended) The ultraviolet block material according to claim 14, wherein the ~~farthest~~ layer farthest from the substrate ~~among the layers provided on~~ the side, opposite to the substrate, of the layer comprising containing the fluorescent material is an adhesive layer showing tackiness by means of heating or pressurization.

20. (Currently amended) The ultraviolet block material according to claim 7, wherein the ~~farthest~~ layer farthest from the substrate in the ultraviolet block layer is a layer which receives color materials.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 6

21. (Currently amended) ~~The ultraviolet block material according to claim 1, wherein the~~ An ultraviolet block material comprising has a substrate and an ultraviolet block layer adhered on the substrate, wherein the ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-380 nm of 10% or less and a transmittance for light within a wavelength range of 420-800 nm of 90% or more, and wherein the ultraviolet block layer comprises at least one of:

- (a) a layer comprising a fluorescent material and at least one layer on the side, opposite to the substrate, of the layer comprising the fluorescent material, wherein any of the layers comprises an ultraviolet radiation absorber; or
- (b) a layer comprising a fluorescent material and a stabilizer, and at least one layer between the substrate and the layer comprising the fluorescent material and the stabilizer.

22. (Currently amended) The ultraviolet block material according to claim 21, wherein the ultraviolet block layer comprises ~~has~~ a layer comprising ~~containing~~ a fluorescent material and ~~has~~ at least one layer on the side, opposite to the substrate, of the layer comprising ~~containing~~ the fluorescent material, wherein ~~and~~ any of the layers comprises ~~contains~~ an ultraviolet radiation absorber.

23. (Currently amended) The ultraviolet block material according to claim 22, wherein the layer comprising ~~containing~~ the fluorescent material comprises ~~contains~~ an ultraviolet radiation absorber.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 7

24. (Currently amended) The ultraviolet block material according to claim 22, wherein there is at least one layer between the substrate and the layer comprising the ~~containing~~ a fluorescent material.

25. (Currently amended) The ultraviolet block material according to claim 24, wherein ~~the~~ at least one layer between the substrate and the layer comprising ~~containing~~ the fluorescent material comprises ~~contains~~ an ultraviolet radiation absorber.

26. (Currently amended) The ultraviolet block material according to claim 24, wherein the layer comprising ~~containing~~ the fluorescent material ~~layer~~ and at least one layer between the substrate and the layer comprising ~~containing~~ the fluorescent material comprise ~~contains~~ an ultraviolet radiation absorber.

27. (Currently amended) ~~The ultraviolet block material according to claim 21, wherein the ultraviolet block layer has a layer containing a fluorescent material and the layer containing the fluorescent material contains an ultraviolet radiation absorber and a stabilizer.~~ An ultraviolet block material comprising a substrate and an ultraviolet block layer adhered on the substrate, wherein the ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-380 nm of 10% or less and a transmittance for light within a wavelength range of 420-800 nm of 90% or more, and wherein the ultraviolet block layer comprises (i) a layer comprising a fluorescent material, an ultraviolet radiation absorber and a stabilizer, and (ii) one of:

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 8

- (a) at least one layer between the substrate and the layer comprising the fluorescent material, the ultraviolet radiation absorber and the stabilizer;
- (b) at least one layer on the side, opposite to the substrate, of the layer comprising the fluorescent material, the ultraviolet radiation absorber and the stabilizer; or
- (c) at least one layer between the substrate and the layer comprising the fluorescent material and also at least one layer on the side, opposite to the substrate, of the layer comprising the fluorescent material.

28. (Currently amended) The ultraviolet block material according to claim 27, wherein the ultraviolet block layer comprises ~~has~~ at least one layer between the substrate and the layer comprising ~~containing~~ the fluorescent material.

29. (Currently amended) The ultraviolet block material according to claim 27, wherein the ultraviolet fluorescent block layer comprises ~~has~~ at least one layer on the side, opposite to the substrate, of the layer comprising ~~containing~~ the fluorescent material.

30. (Currently amended) The ultraviolet block material according to claim 27, wherein the ultraviolet block layer comprises ~~has~~ at least one layer between the substrate and the layer comprising ~~containing~~ the fluorescent material and also comprises ~~has~~ at least one layer on the side, opposite to the substrate, of the layer comprising ~~containing~~ the fluorescent material.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 9

31. (Currently amended) The ultraviolet block material according to claim 28, wherein at least one of the layers ~~existing~~ between the substrate and the layer ~~comprising containing~~ the fluorescent material comprises contains an ultraviolet radiation absorber.

32. (Currently amended) The ultraviolet block material according to claim 21, wherein the ultraviolet block layer comprises ~~has~~ a layer comprising containing a fluorescent material and a stabilizer, and ~~also~~ at least one layer between the substrate and the layer comprising containing the fluorescent material and the stabilizer and the layer ~~containing the fluorescent material contains a stabilizer~~.

33. (Currently amended) The ultraviolet block material according to claim 32, wherein the ultraviolet block layer comprises ~~has~~ at least one layer on the side, opposite to the substrate, of the layer comprising containing the fluorescent material.

34. (Currently amended) ~~The ultraviolet block material according to claim 21, wherein there is~~ An ultraviolet block material comprising a substrate, an ultraviolet block layer adhered on the substrate, and an abrasion resisting layer on the side of the substrate ~~[[,]] opposite to the ultraviolet block layer, of the substrate; wherein the~~ ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-380 nm of 10% or less and a transmittance for light within a wavelength range of 420-800 nm of 90% or more.

35. (Currently amended) The ultraviolet block material according to claim 29, wherein the ~~farthest~~ layer farthest from the substrate ~~among the layers provided on~~



Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 10

the side, opposite to the substrate, of the layer comprising ~~containing~~ the fluorescent material is an adhesive layer showing a tackiness by means of heating or pressurization.

36. (Currently amended) ~~The ultraviolet block material according to claim 21,~~ An ultraviolet block material comprising a substrate and an ultraviolet block layer adhered on the substrate, wherein the ultraviolet block layer comprises at least one layer, wherein the farthest layer of the ultraviolet block layer farthest from the substrate of the ultraviolet block layer or the side, opposite to the ultraviolet block layer, of the substrate is a layer that has received which receives color materials, and wherein the ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-380 nm of 10% or less and a transmittance for light within a wavelength range of 420-800 nm of 90% or more.

37. (Currently amended) ~~A method for the protection of a material to be transferred, characterized in that, there are included steps where the farthest side from the substrate of the ultraviolet block layer of the ultraviolet block material mentioned in claim 7 is layered to contact the material to be transferred and then the substrate is separated from the ultraviolet block layer.~~ A method for protecting a material to be transferred from ultraviolet light, comprising contacting the material to be transferred with the ultraviolet block material of claim 7, wherein the side of the ultraviolet block layer farthest from the substrate is layered to contact the material to be transferred, and then separating the substrate from the ultraviolet block layer.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 11

38. (Currently amended) The method ~~for the protection~~ according to claim 37, wherein an image is formed by an ink jet recording system or a thermal transfer printing system on the surface of the material to be transferred with the ultraviolet block layer of the ultraviolet block material.

39. (Currently amended) ~~A method for the protection of the material to be layered, characterized in that, the farthest side of the ultraviolet block layer of the ultraviolet block material mentioned in claim 21 from the substrate is adhered to contact the material to be layered.~~ A method for protecting a material to be layered, comprising contacting the material to be layered with an ultraviolet block material, wherein the ultraviolet block material comprises a substrate and an ultraviolet block layer adhered on the substrate, wherein the side of the ultraviolet block layer farthest from the substrate is adhered to contact the material to be layered, and wherein the ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-380 nm of 10% or less and a transmittance for light within a wavelength range of 420-800 nm of 90% or more.

40. (Currently amended) The method ~~for the protection~~ according to claim 39, wherein an image is formed by an ink jet recording system or a thermal transfer printing system on the surface of the material to be layered with the ultraviolet block material.

41. (Currently amended) A method for ~~the~~ protection from ultraviolet light, ~~characterized in that, there are included the steps where~~ comprising forming an image is formed on the color material-receiving layer of the ultraviolet block material of mentioned

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 12

in claim 20, then layering a substrate paper ~~is layered~~ on the color material-receiving layer, and separating the substrate ~~is separated~~ from the ultraviolet block layer.

42. (Currently amended) A method for the protection of a material to be adhered, ~~characterized in that,~~ comprising forming an image ~~is formed~~ on a color material-receiving layer of the ultraviolet block material of ~~mentioned in~~ claim 36 and then layering a substrate paper ~~is layered~~ on the color material-receiving layer.

43. (Currently amended) A material ~~being~~ protected from ultraviolet light, which is prepared by a method of claim 37.

44. (Original) An ultraviolet block material having a substrate and an ultraviolet block layer provided on the substrate in a releasable manner, the ultraviolet block material which is characterized in that, in the said ultraviolet block layer, the transmittance of the light within a range of 300-380 nm wavelength is 10% or less and the transmittance of the light within a range of 420-800 nm wavelength is 90% or more.

45. (Original) A method for the protection of a material to be transferred, characterized in that, the said method includes the steps that the farthest side of the ultraviolet block layer in the ultraviolet block material mentioned in claim 44 from the substrate is layered to contact the material to be transferred and then the substrate is separated from the ultraviolet block layer.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 13

46. (Original) A material which is protected from ultraviolet light, characterized in that, the ultraviolet block layer of the ultraviolet block material mentioned in claim 44 is layered onto the material to be transferred.

47-64. (Canceled)

65. (New) The ultraviolet block material of claim 7, wherein transmittance for light within a wavelength range of 300-390 nm is 10% or less.

66. (New) The ultraviolet block material of claim 7, wherein transmittance for light within a wavelength range of 300-400 nm is 10% or less.

67. (New) The ultraviolet block material of claim 21, wherein transmittance for light within a wavelength range of 300-390 nm is 10% or less.

68. (New) The ultraviolet block material of claim 21, wherein transmittance for light within a wavelength range of 300-400 nm is 10% or less.

69. (New) The ultraviolet block material of claim 34, wherein transmittance for light within a wavelength range of 300-390 nm is 10% or less.

70. (New) The ultraviolet block material of claim 34, wherein transmittance for light within a wavelength range of 300-400 nm is 10% or less.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 14

71. (New) The ultraviolet block material of claim 36, wherein transmittance for light within a wavelength range of 300-390 nm is 10% or less.

72. (New) The ultraviolet block material of claim 36, wherein transmittance for light within a wavelength range of 300-400 nm is 10% or less.

73. (New) The method of claim 39, wherein the ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-390 nm of 10% or less.

74. (New) The method of claim 39, wherein the ultraviolet block material is characterized by a transmittance for light within a wavelength range of 300-400 nm of 10% or less.

75. (New) The ultraviolet block material of claim 44, wherein transmittance for light within a wavelength range of 300-390 nm is 10% or less.

76. (New) The ultraviolet block material of claim 44, wherein transmittance for light within a wavelength range of 300-400 nm is 10% or less.

77. (New) The ultraviolet block material of claim 1, wherein the fluorescent material is an oxazole type fluorescent material.

78. (New) The ultraviolet block material of claim 8, wherein the fluorescent material is an oxazole type fluorescent material.

Applicant : Lester E. Cornelius and Toshinori Torii  
Serial No. : 09/910,691  
Filed : July 20, 2001  
Page 15

79. (New) The ultraviolet block material of claim 12, wherein the fluorescent material is an oxazole type fluorescent material.

80. (New) The ultraviolet block material of claim 21, wherein the fluorescent material is an oxazole type fluorescent material.

81. (New) The ultraviolet block material of claim 1, wherein the ultraviolet radiation absorber is a benzophenone type and/or a benzotriazole type ultraviolet radiation absorber.

82. (New) The ultraviolet block material of claim 8, wherein the ultraviolet radiation absorber is a benzophenone type and/or a benzotriazole type ultraviolet radiation absorber.

83. (New) The ultraviolet block material of claim 12, wherein the ultraviolet radiation absorber is a benzophenone type and/or a benzotriazole type ultraviolet radiation absorber.

84. (New) The ultraviolet block material of claim 21, wherein the ultraviolet radiation absorber is a benzophenone type and/or a benzotriazole type ultraviolet radiation absorber.